

CLAIMS

What is claimed is:

1. A separating arrangement for a cartoning machine for the individual removal of carton blanks from a magazine and for shifting the removed carton blank from a removal position into a transfer position, the arrangement comprising a motor-driven pivoting arm and means arranged thereon for removing the carton blank on its own, wherein the pivoting arm is arranged on a carriage which can be displaced in a rectilinear manner, such that, as the carton blank is removed and shifted, a pivoting movement of the pivoting arm is superposed by a rectilinear movement of the carriage.
2. The arrangement as claimed in claim 1, wherein the transfer position is at least more or less horizontal, and wherein the carriage can be displaced back and forth in an at least more or less horizontal direction.
3. The arrangement as claimed in claim 1, wherein the pivoting arm is of rigid, in particular angled, design.
4. The arrangement as claimed in claim 1, wherein the means arranged on the pivoting arm, for removing the carton blank on its own, can be displaced and fixed in relation to the pivoting arm.

5. The arrangement as claimed in claim 4, wherein the means are constituted by a sucker mount with a carrier bar, which is firmly connected to the pivoting arm, and at least one sucker strip, which is arranged such that it can be displaced and fixed on the carrier bar and has in each case at least one vacuum sucker.
6. The arrangement as claimed in claim 5, wherein in each case two sucker strips each with a vacuum sucker are provided.
7. The arrangement as claimed in claim 1, wherein the pivoting arm can be pivoted by means of a drive, in particular a servomotor, which is arranged on the carriage and preferably has a vertically running drive shaft.
8. The arrangement as claimed in claim 1, wherein the carriage is operated by means of an endless belt, the endless belt being driven by means of a drive with a preferably vertically running drive shaft.
9. The arrangement as claimed in claim 1, wherein a control means is provided, this coordinating the movements of the carriage with the pivoting movements of the pivoting arm.
10. The arrangement as claimed in claim 1, wherein the pivoting arm and the carriage are driven cyclically.